

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-28. (Canceled)

29. (New) A scrub cleaning device comprising:

a pair of planar scrubbers having their scrub surfaces disposed opposite to each other and holding a substrate rotatably therebetween;

means for rotating the pair of planar scrubbers around a rotation shaft vertical to the planar scrubbers for conveying the substrate held between the pair of planar scrubbers;

a substrate inlet section for introducing the substrate between the pair of planar scrubbers;

a first cleaning point for temporarily holding the substrate being conveyed by the pair of planar scrubbers and for rotating the substrate at a holding position with a rotation axis of the substrate fixed, to perform a first scrub cleaning of the substrate;

a guide member disposed along a conveyance direction of the substrate for abutting a part of a circumference of the substrate being conveyed by the pair of planar scrubbers to guide the conveyance of the substrate to the first cleaning point; and

a second cleaning point including means for rotating the substrate with the rotation axis of the substrate not fixed, by a friction force generated by the abutment of the guide member with the substrate causing the substrate and the planar scrubbers to rub each other, to perform a second scrub cleaning of the substrate while the substrate is conveyed by the rotation of the planar scrubbers.

30. (New) A scrub cleaning device according to Claim 29, wherein the first cleaning point comprises a stopper mechanism including means for abutting the substrate being conveyed by the pair of planar scrubbers to temporarily hold the substrate, so that the first scrub cleaning of the substrate is performed by rotating the substrate at the holding position with a rotation axis of the substrate fixed.

31. (New) The scrub cleaning device according to Claim 29 or 30, comprising cleaning liquid supply means for supplying a cleaning liquid to at least one of the pair of scrubbers and the substrate held between the pair of scrubbers.

32. (New) The scrub cleaning device according to Claim 29 or 30, comprising a substrate outlet section for discharging the substrate being conveyed by the pair of scrubbers from between the pair of scrubbers.

33. (New) The scrub cleaning device according to Claim 30, comprising a sensor for confirming the presence/absence of the substrate in the stopper mechanism, wherein the substrate inlet section introduces the substrate between the pair of scrubbers when absence of the substrate is confirmed by the sensor.

34. (New) A scrub cleaning device comprising:
a plurality of cleaning stations comprising the device of Claim 29 or 30; and

a conveyance mechanism for conveying a substrate cleaned in the cleaning station to the next cleaning station in said plurality of cleaning stations.

35. (New) The scrub cleaning device according to Claim 34, wherein said conveyance mechanism comprises a guide member for connecting the scrubbers of said plurality of cleaning stations to one another.

36. (New) The scrub cleaning device according to Claim 34, wherein said conveyance mechanism comprises a guide member for connecting the scrubbers of said plurality of cleaning stations to one another, and a scrub roller for holding the substrate along the guide member from opposite sides and conveying the substrate.

37. (New) The scrub cleaning device according to Claim 29 or 30, wherein the pair of scrubbers is disposed vertically.

38. (New) The scrub cleaning device according to Claim 29 or 30, wherein the substrate is a glass substrate for an information recording medium.